Index of Claims



Application No.

10/691,722 Examiner

SPOHN ET AL.

Applicant(s)

Art Unit

Catherine S. Williams

3763

| √ | Rejected |
|---|----------|
| = | Allowed  |

(Through numeral) Cancelled Restricted

Non-Elected Ν Interference

Appeal 0 Objected

|       |                       |              |  |          |              |          |          |          |                                     | $\overline{}$   |  |  |
|-------|-----------------------|--------------|--|----------|--------------|----------|----------|----------|-------------------------------------|-----------------|--|--|
| Cla   | im                    | Date         |  |          |              |          |          |          |                                     |                 |  |  |
| Final | Original              | 4/4/05       |  |          |              |          |          |          |                                     |                 |  |  |
|       | 1                     | +            |  |          |              |          |          |          |                                     |                 |  |  |
| -     | 1<br>2<br>3<br>4<br>5 | ı            |  |          |              |          |          |          |                                     |                 |  |  |
|       | 3                     | П            | Г  |          |              |          |          |          |                                     |                 |  |  |
| _     | 4                     | П            |  |          |              |          |          |          |                                     |                 |  |  |
|       | 5                     | П            |  |          |              |          |          |          |                                     |                 |  |  |
|       | <u>6</u><br>7         |              |  |          |              |          |          |          |                                     |                 |  |  |
|       | 7                     | Ш            |  |          |              |          |          |          |                                     |                 |  |  |
|       | 8                     | Ш            | _  |          |              |          |          |          |                                     |                 |  |  |
|       | 9                     | Щ            | _  |          | _            |          |          |          |                                     |                 |  |  |
|       | 10                    | Н            |  | <u> </u> |              |          |          |          |                                     | Ш               |  |  |
|       | 11                    | ╨            | <u> </u>   | $\vdash$ |              |          | <u> </u> |          | _                                   | Н               |  |  |
|       | 12<br>13              | H            |  | $\vdash$ |              |          | _        | $\vdash$ |                                     | $\dashv$        |  |  |
|       | 1.4                   | +            |  | $\vdash$ |              |          |          | H        |                                     | $\vdash\dashv$  |  |  |
|       | 15                    | ╫            | $\vdash$   |          |              | H        | -        | $\vdash$ |                                     | $\vdash\vdash$  |  |  |
|       | 16                    | Н            | $\vdash$   | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$ |                                     | $\vdash \vdash$ |  |  |
|       | 14<br>15<br>16<br>17  | H            |  | $\vdash$ |              | -        |          | Н        | Н                                   | $\vdash$        |  |  |
|       | 18                    | ╫            | $\vdash$   | ┢        | -            | -        |          | _        |                                     | $\vdash$        |  |  |
|       | 18<br>19              | H            |  |          | -            |          |          |          |                                     | Н               |  |  |
|       | 20                    | H            |  |          |              |          | -        | $\vdash$ | _                                   |                 |  |  |
|       | 21                    | H            |  |          | _            | _        |          | _        |                                     |                 |  |  |
|       | 22                    | П            |  |          |              |          |          |          |                                     | П               |  |  |
|       | 23<br>24<br>25        | П            |  |          |              |          |          |          |                                     |                 |  |  |
|       | 24                    |              |  |          |              |          |          |          |                                     |                 |  |  |
|       | 25                    |              |  |          |              |          |          |          |                                     |                 |  |  |
|       | 26<br>27<br>28        | Ц            |  |          |              |          |          |          |                                     |                 |  |  |
|       | 27                    | Ц            |  |          |              |          |          |          |                                     |                 |  |  |
|       | 28                    | Ш            | _  |          |              |          |          |          |                                     | Ш               |  |  |
|       | 29<br>30              | Щ            | _  | _        | L            |          | L        |          |                                     |                 |  |  |
|       | 30                    | 1            |  |          | L            |          | L.,      |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |                 |  |  |
|       | 31                    | +            | _  | _        | <u> </u>     | <u> </u> | _        | $\vdash$ | <u> </u>                            | Щ               |  |  |
|       | 32                    | 1            | ├-   |          |              |          |          | -        | <u> </u>                            | $\vdash \vdash$ |  |  |
|       | 33                    | ₩            | ├  |          | <del> </del> | <u> </u> | -        |          | $\vdash$                            | Н               |  |  |
|       | 34<br>35              | -            |  | -        | <u> </u>     | <u> </u> | <u> </u> | $\vdash$ | H                                   | H               |  |  |
|       | 36                    |              | $\vdash$   | $\vdash$ | $\vdash$     | <u> </u> | _        |          | $\vdash$                            |                 |  |  |
|       | 37                    |              | $\vdash$   | $\vdash$ | $\vdash$     |          |          | H        | $\vdash$                            | -               |  |  |
|       | 38                    | $\vdash$     |  | -        | $\vdash$     | <u> </u> |          | H        |                                     | H               |  |  |
|       | 39                    | <del> </del> | <del>                                     </del> | $\vdash$ | $\vdash$     | $\vdash$ |          | 一        | Н                                   | _               |  |  |
|       | 40                    |              |  |          |              |          |          | Т        | $\vdash$                            |                 |  |  |
|       | 41                    |              |  |          | Г            | Г        |          | T        |                                     |                 |  |  |
|       | 42                    |              |  |          |              |          |          |          | Г                                   |                 |  |  |
|       | 43                    |              |  |          |              |          |          |          |                                     |                 |  |  |
|       | 44                    |              |  |          |              |          |          |          |                                     |                 |  |  |
|       | 45                    |              |  |          |              |          |          |          |                                     |                 |  |  |
|       | 46                    |              |  |          |              |          |          |          |                                     |                 |  |  |
|       | 47                    | L.           |  |          |              |          | <u> </u> | _        | <u> </u>                            | L               |  |  |
|       | 48                    | Щ            | <u> </u>   | <u> </u> | _            | <u> </u> | <u> </u> | <u> </u> | <u> </u>                            |                 |  |  |
|       | 49                    | $\vdash$     | <u> </u>   | <b> </b> | $\vdash$     | <u> </u> | <u> </u> | <u> </u> |                                     | <u> </u>        |  |  |
|       | 50                    | 1            | 1  | ı        | ı            |          |          | ı        | 1                                   | ı               |  |  |

| Cla      | im       | Γ-   |  |       | (        | Date   | <del></del> |          |          | _  |    | Cla   | im       | <u> </u>   |           |          |          | ate |         |           |        |          |
|----------|----------|--|--|-------|----------|--|-------------|----------|----------|--|----|-------|----------|------------|-----------|----------|----------|-----|---------|-----------|--------|----------|
|          |          |  |  |       |          |  |             |          | Ť        |  |    |       |          |            | Т         |          |          |     |         |           |        |          |
| 13       | Original | 4/4/05   | İ  |       |          |  |             |          |          |  |    | ā     | Original |            |           |          | ١        |     |         |           |        |          |
| Final    | rig.     | 44   |  |       |          |  |             |          |          |  |    | Final | ij       |            |           | - 1      |          |     |         |           |        |          |
|          | 0        | -  |  |       |          |  |             |          |          |  |    |       | 0        | l l        |           |          | - 1      |     |         |           |        |          |
|          | 1        | +  | Г  |       |          |  |             |          |          |  |    |       | 51       |            | 寸         | 寸        | $\neg$   |     |         |           |        |          |
|          | 2        | ī  |  |       |          |  |             |          |          |  |    |       | 52       | l i        | $\exists$ |          |          |     |         |           |        |          |
|          | 3        | Ħ  | Г  |       |          |  |             |          |          |  |    |       | 53       |            | 寸         |          | $\neg$   |     |         |           | П      |          |
|          | 4        | IT   |  |       |          |  |             |          |          |  |    |       | 54       |            | $\neg$    |          | 一        |     |         |           |        |          |
|          | 5        | π  |  |       |          |  |             |          |          |  |    |       | 55       |            |           |          |          |     |         |           |        |          |
|          | 6        | П  |  |       |          |  |             |          |          |  |    |       | 56       | П          | ╗         |          | 一        |     |         |           |        |          |
|          | 7        | П  |  |       |          |  |             |          |          |  | li |       | 57       |            | $\neg$    | T        | $\neg$   |     |         |           |        |          |
|          | 8        | П  |  |       |          |  |             |          |          |  | Ш  |       | 58       |            | П         |          |          |     |         |           |        |          |
|          | 9        | П  | П  |       |          |  |             |          |          |  |    |       | 59       | П          | T         |          | $\neg$   |     |         |           |        |          |
|          | 10       | П  | Π  | Γ     |          |  |             |          |          |  |    |       | 60       |            | T         |          |          |     |         |           |        |          |
|          | 11       | П  | İ  | Π     |          |  |             |          |          |  |    |       | 61       | П          |           | İ        |          |     |         |           |        |          |
|          | 12       | П  |  |       |          |  |             |          |          |  |    |       | 62       |            |           |          |          |     |         |           |        |          |
|          | 13       | П  |  |       |          |  |             |          |          |  |    |       | 63       |            | $\neg$    |          |          |     |         |           |        |          |
|          | 14       | Π  |  |       |          |  |             |          |          |  |    |       | 64       |            | $\neg$    | 一        | $\neg$   |     |         |           |        |          |
|          | 15       | П  |  |       |          |  |             |          |          |  |    |       | 65       |            | $\neg$    | T        |          |     |         |           |        |          |
|          | 16       | П  | 1  | Г     |          |  |             |          | _        |  |    |       | 66       |            | $\exists$ | $\neg$   |          |     |         |           |        |          |
|          | 17       | П  |  | Π     |          |  |             |          |          |  |    |       | 67       |            |           | $\neg$   |          |     |         |           |        |          |
|          | 18       | П  |  | Τ     |          | -  |             |          |          |  |    |       | 68       | Ħ          | 1         | 一        |          |     |         |           |        |          |
|          | 19       | П  |  |       |          |  |             |          |          |  |    |       | 69       |            |           | T        |          |     |         |           |        |          |
|          | 20       | П  |  |       |          |  |             |          |          |  |    |       | 70       | П          | 7         | $\neg$   | $\neg$   |     |         |           |        |          |
|          | 21       | П  | 1  |       |          |  |             |          |          |  |    |       | 71       |            |           |          |          | ·   |         |           |        |          |
|          | 22       | П  |  |       |          |  |             |          |          |  |    |       | 72       |            | $\neg$    | $\neg$   |          |     |         |           |        |          |
|          | 23       | $\sqcap$   |  |       |          |  |             |          |          |  |    |       | 73       | $\Box$     |           | ヿ        | $\neg$   |     |         |           |        |          |
|          | 24       | $\top$   | T  |       | Г        |  |             |          |          | Г  | 1  |       | 74       |            | 寸         | ヿ        | ヿ        |     |         |           |        |          |
|          | 25       | H  | T  | Т     |          | _  |             | -        |          |  |    |       | 75       | П          | $\dashv$  |          | ┪        |     |         |           |        |          |
|          | 26       |  | †  |       |          | $\vdash$   | I           |          | _        |  |    |       | 76       |            | ╅         | ╅        | 7        |     | _       |           |        |          |
|          | 27       | H  | $\vdash$   |       | -        | _  | <u> </u>    |          | $\vdash$ |  | 1  |       | 77       |            | 寸         | 1        | 一        |     |         |           |        |          |
| <b>—</b> | 28       | H  |  |       |          | _  |             |          |          |  |    |       | 78       |            | 寸         | 1        |          |     |         |           |        |          |
|          | 29       | H  | İΤ   | 1     | T        | _  |             | _        |          |  | 1  |       | 79       | H          | $\dashv$  | 寸        | ┪        |     |         |           |        |          |
|          | 30       | 1  | $\vdash$   | T     | _        | _  |             |          | $\vdash$ | $\vdash$   | 1  |       | 80       | H          | 寸         | ┪        | ┪        |     |         |           | П      |          |
|          | 31       | +  | ┢  |       |          |  |             |          |          |  | 1  |       | 81       | $\vdash$   |           |          | _        |     |         |           |        | _        |
|          | 32       |  | T  |       |          |  |             |          |          | ┢  |    |       | 82       |            | 7         | 寸        |          |     |         |           | П      |          |
|          | 33       |  | <u> </u>   |       |          | <del>                                     </del> |             |          |          | -  |    |       | 83       |            | $\dashv$  | 寸        | ┪        |     |         |           |        | _        |
|          | 34       |  | ✝  |       |          | $\vdash$   | _           | _        |          |  |    |       | 84       | H          |           | 寸        | _        |     |         |           |        |          |
|          | 35       |  | 1  | 1     |          |  |             | П        | Г        | Г  | 1  |       | 85       |            | 一         | $\neg$   | $\dashv$ |     |         |           |        |          |
|          | 36       | <del>                                     </del> | T  |       |          |  | Т           | П        |          |  |    |       | 86       | $\Box$     |           | 寸        | $\dashv$ | _   |         |           | П      |          |
|          | 37       | <u> </u>   |  | T     |          |  |             | П        |          |  | 1  |       | 87       | $\Box$     | 寸         | 寸        | $\neg$   |     |         |           | П      |          |
|          | 38       | Г  | 1  | 1     |          |  |             | Г        |          |  |    |       | 88       | $\Box$     | $\dashv$  | 寸        | $\neg$   |     | П       |           | П      |          |
|          | 39       | <del>                                     </del> | 1  |       | П        |  | П           | Г        |          | <del>                                     </del> | 1  |       | 89       |            | $\neg$    |          | $\neg$   | -   |         |           | П      |          |
| -        | 40       | Г  |  | T     |          |  |             | Г        | T        | T  | 1  |       | 90       |            | _         |          | $\neg$   |     |         |           | П      |          |
|          | 41       |  | T  | T     |          |  |             |          | <u> </u> | Г  | 1  |       | 91       |            | $\dashv$  | 7        |          |     |         |           | М      |          |
|          | 42       | Г  | Т  | T     | 1        | <u> </u>   | $\vdash$    | <u> </u> | Т        | $\vdash$   | 1  | -     | 92       | $\sqcap$   | 寸         | $\dashv$ |          |     |         |           | $\Box$ |          |
|          | 43       | T  | 1  |       | t        | T  | $\vdash$    | <u> </u> |          |  | 1  |       | 93       | $\Box$     | $\dashv$  | _        |          |     |         |           | М      | Г        |
|          | 44       | ┢  | <del>                                     </del> | Г     | $\vdash$ | T  | Г           | $\Box$   | $\Box$   |  | 1  |       | 94       | $\Box$     | 寸         | 一        |          |     |         |           | П      |          |
|          | 45       | Г  | T  |       | t        | T  | Г           |          | Г        | Τ  | 1  |       | 95       | $\Box$     | 7         | 7        |          |     |         |           |        |          |
|          | 46       |  | t  | $t^-$ | 1 -      | $\vdash$   | T           | $\vdash$ | t        | $t^-$  | 1  |       | 96       | $\Box$     | +         | 7        |          |     | <b></b> | <b></b> - | П      | Г        |
|          | 47       | Г  | T  | T     | T        | Г  | T           | $\vdash$ | T        | <u> </u>   | 1  |       | 97       | $  \neg  $ | 寸         | 一        |          | _   |         | П         | Г      | _        |
|          | 48       | <u> </u>   | T  | İ     |          |  | Г           |          | ऻ        | <del>                                     </del> | i  |       | 98       | 1          | 7         | -1       |          |     | П       | Г         | Г      | $\vdash$ |
|          | 49       | Т  | T  | 1     |          | <u> </u>   | Г           |          |          |  | 1  |       | 99       | $\Box$     | 7         |          |          |     |         |           |        |          |
|          | 50       | T  | $t^-$  | 1     | T        | _  |             |          |          | $\vdash$   | 1  |       | 100      | $\vdash$   | 7         | $\neg$   | $\dashv$ | _   |         |           |        |          |
|          |          | Ь.   | 1  | Ц.    | Щ.       | ь  | —           |          |          |  | ı  | Ь——   |          |            | 1         | 1        | _        | -   |         | Щ.        | Ц.     | Щ.       |

| Cli   | aim                      | Date     |              |          |          |                    |                    |  |          |          |
|-------|--------------------------|----------|--------------|----------|----------|--------------------|--------------------|--|----------|----------|
|       |                          |          |              |          |          |                    | m                  |  |          | $\dashv$ |
| Final | Original                 |          |              |          |          |                    |                    |  |          |          |
|       | 101                      |          |              |          |          |                    |                    |  |          | $\Box$   |
|       | 102                      |          |              |          |          |                    |                    |  |          |          |
|       | 103                      |          | _            |          |          |                    |                    |  |          | П        |
|       | 104                      |          |              |          |          |                    |                    |  |          | $\Box$   |
|       | 105                      |          |              |          | _        | $\overline{}$      | _                  | $\overline{}$                                    |          | П        |
|       | 106                      |          |              |          |          |                    |                    | _  |          | П        |
|       | 107                      |          |              | -        |          |                    |                    |  |          | П        |
|       | 108                      |          |              |          |          |                    |                    |  |          |          |
|       | 109                      |          |              |          |          |                    |                    |  |          |          |
|       | 110                      |          |              |          |          |                    |                    |  |          |          |
|       | 111                      |          |              |          |          |                    |                    |  |          |          |
|       | 112                      |          |              |          |          |                    |                    |  |          |          |
|       | 113                      |          |              |          |          |                    |                    |  |          |          |
|       | 113<br>114<br>115        |          | 匚            |          |          |                    |                    |  |          |          |
|       | 115                      | L.       | $oxed{oxed}$ |          |          | $oxedsymbol{oxed}$ | $oxedsymbol{oxed}$ |  |          | Ш        |
|       | 116<br>117               |          | L            | Ш        | تـــا    |                    |                    |  | Ĺ        | Ш        |
|       | 117                      |          |              |          |          |                    |                    |  |          | Ш        |
|       | 118                      |          |              |          |          |                    |                    |  |          | Ш        |
|       | 119                      |          |              |          |          | _                  |                    |  |          |          |
|       | 120                      | Ш        | L.           |          |          |                    | _                  |  | L_       |          |
|       | 121                      |          | _            | _        |          |                    | L                  |  | <u> </u> |          |
|       | 122                      | Ш        | _            | _        | _        | _                  | _                  |  | _        |          |
|       | 123                      |          |              |          | <u></u>  | _                  | -                  | _  | <u> </u> |          |
|       | 122<br>123<br>124<br>125 | $\Box$   | $\vdash$     |          | <u> </u> | <u> </u>           | _                  |  |          |          |
|       | 125                      |          |              |          | -        |                    | H                  | -  | <u> </u> |          |
|       | 120                      | _        | -            | -        | -        |                    | $\vdash$           |  | ┝        | Н        |
|       | 127<br>128               | _        | -            | -        |          | $\vdash$           | $\vdash$           |  | -        | Н        |
|       | 129                      |          | H            | H        |          | H                  | ┝                  |  |          | Н        |
|       | 129                      | -        | H            | H        |          | -                  | -                  | -  | -        | $\vdash$ |
|       | 130<br>131               | $\vdash$ | ├            | ┝        | _        |                    | $\vdash$           | _  | -        | Н        |
|       | 132                      |          | $\vdash$     | $\vdash$ |          | -                  | _                  | $\vdash$   | <u> </u> | Н        |
|       | 133                      | -        | $\vdash$     | ┢─       |          | $\vdash$           |                    | $\vdash$   |          | Н        |
|       | 134                      | Н        | Н            | $\vdash$ |          | <u> </u>           | <u> </u>           | <del>                                     </del> |          | $\vdash$ |
|       | 135                      |          | <u> </u>     |          | _        | $\vdash$           | $\vdash$           | $\vdash$   |          | Н        |
|       | 136                      |          | Г            | $\vdash$ | Т        | l                  | <b></b>            | Г  |          | Н        |
|       | 137                      |          |              |          | Т        |                    | Π                  |  |          | П        |
|       | 138                      |          |              |          |          |                    |                    |  |          | П        |
|       | 138<br>139               |          |              |          |          |                    |                    |  |          |          |
|       | 140                      |          |              |          |          |                    |                    |  |          |          |
|       | 141                      |          |              |          |          |                    |                    | L  |          |          |
|       | 142                      |          |              |          |          | 匚                  | 匚                  | 匚  | 匚        |          |
|       | 143                      |          | <u> </u>     | <u> </u> | _        | <u> </u>           | <u> </u>           |  | <u> </u> | Ш        |
|       | 144                      | <u></u>  | <u> </u>     |          | <u> </u> | <u> </u>           |                    |  |          | igsqcup  |
|       | 145                      | L.       |              |          |          | _                  |                    | <u> </u>   | _        | Ш        |
|       | 146                      | ļ        | <u> </u>     |          | <u> </u> | <u> </u>           | <u> </u>           | $ldsymbol{ldsymbol{eta}}$                        | _        | Щ        |
|       | 147                      |          | _            | <u> </u> | <u> </u> | L_                 | L_                 | L  | _        | Ш        |
|       | 148                      | L_       | <u> </u>     |          | <u> </u> | <u> </u>           | <u> </u>           | <u> </u>   | <u> </u> | Ш        |
|       | 149                      | ļ        | <u> </u>     | <u> </u> | <u> </u> | _                  |                    | ⊢  | L_       | Щ        |
| L     | 150                      | L        | L            | <u> </u> | L_       | <u> </u>           | <u> </u>           |  | <u> </u> | Ш        |